

# MANUFACTURING EXTENSION PARTNERSHIP

## Success Stories from the Field

### Porta-King Building Systems

Missouri Enterprise

#### Porta-King Building Systems Prepares for Future Growth with Lean

##### Client Profile:

Porta-King Building Systems is a leading national provider of modular and preassembled building, mezzanines and shelters. The company's modular buildings and wall systems are used to provide in-plant offices, clean rooms, tool rooms and computer rooms. Porta-King customers use structural mezzanines as storage platforms, catwalks, guard towers and for elevated in-plant modular buildings. Pre-assembled building and shelters serve as guard and gate houses, parking, trailer and toll booths, equipment, bus and valet shelters, turnstile enclosures and portable restrooms. The company also builds a complete line of ballistic resistant buildings for security purposes. Porta-King employs 73 people at its facility in Montgomery City, Missouri.

##### Situation:

Despite a slowdown in sales due to the effects of the recession, Porta-King management remained committed to maintaining its position in the market and wanted to prepare to take advantage of marketplace changes and future demand. Porta-King sought assistance from Missouri Enterprise, a NIST MEP network affiliate, in deploying a Lean Enterprise program to enable the company to identify and eliminate activities that were not adding value to its products; and to achieve maximum utilization of its staff, equipment and manufacturing space.

##### Solution:

Missouri Enterprise manufacturing specialists helped the company review its mission and vision and develop the Lean Enterprise deployment strategy that would support a culture of continuous improvement and clearly establish a roadmap for future actions. Missouri Enterprise presented an Introduction to the Lean Enterprise program to key management and production personnel. The introduction, with an actual simulation, demonstrated how Lean Enterprise tools reduce processing time, increase productivity and make better use of valuable manufacturing space by improving organization and material flow throughout the facility. Following the introduction, the company's Lean team identified a number of opportunities for improvement and initiated a series of Kaizen events, or highly focused efforts, to reorganize process and equipment to provide a smoother, more effective workflow.

##### Results:

- \* Increased sales of \$925,000.
- \* Realized \$351,000 in cost savings.

##### Testimonial:

"The Missouri Enterprise continuous improvement program aligned with our company's ongoing commitment to understand our customers -- changing needs, delivering effective solutions and

## MANUFACTURING EXTENSION PARTNERSHIP Success Stories from the Field

supporting them with the right products and services."

Steve Schulte, President